

Title (en)

INTERFERENCE CANCELLATION METHOD, SYSTEM, DEVICE AND UE

Title (de)

INTERFERENZUNTERDRÜCKUNGSVERFAHREN, SYSTEM, VORRICHTUNG UND BENUTZERGERÄT

Title (fr)

PROCÉDÉ D'ANNULATION D'INTERFÉRENCE, SYSTÈME, DISPOSITIF ET EU

Publication

**EP 2920895 B1 20191106 (EN)**

Application

**EP 13856002 A 20131115**

Priority

- CN 201210468448 A 20121119
- KR 2013010411 W 20131115

Abstract (en)

[origin: WO2014077625A1] Examples of the present application provide an interference cancellation method, system, device and a UE. The interference cancellation method of a communication network including a plurality of User Equipments (UEs) and Base Stations (BSs) includes: acquiring a Signal to Noise Ratio (SNR) and Interference to Noise Ratio (INR) of a downlink signal detected by a first UE and a SNR and INR of a downlink signal detected by a second UE, respectively through a first BS and a second BS; and notifying the first BS and the second BS of a transmission mode of associated UEs, wherein the first UE is located in a cell served by the first BS, and the second UE is located in a cell served by the second BS.

IPC 8 full level

**H04B 15/02** (2006.01); **H04B 7/26** (2006.01); **H04B 17/345** (2015.01); **H04L 1/00** (2006.01); **H04W 52/24** (2009.01); **H04W 72/54** (2023.01); **H04W 92/20** (2009.01); **H04W 84/04** (2009.01); **H04W 92/12** (2009.01); **H04W 92/14** (2009.01)

CPC (source: EP US)

**H04B 15/02** (2013.01 - EP US); **H04B 17/345** (2013.01 - EP US); **H04L 1/00** (2013.01 - EP US); **H04L 1/0003** (2013.01 - US); **H04W 52/241** (2013.01 - EP US); **H04W 52/244** (2013.01 - US); **H04W 52/243** (2013.01 - EP US); **H04W 84/045** (2013.01 - EP US); **H04W 92/20** (2013.01 - EP US)

Citation (examination)

- US 2010227637 A1 20100909 - KWON TAE SOO [KR], et al
- RENESAS MOBILE EUROPE LTD: "Link level performance of 4x2 MIMO with feedback quantization", 3GPP DRAFT; R1-120364 LINK LEVEL PERFORMANCE OF 4X2 MIMO WITH FEEDBACK QUANTIZATION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20120206 - 20120210, 31 January 2012 (2012-01-31), XP050562868

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**KR 2013010411 W 20131115**; CN 201210468448 A 20121119; EP 13856002 A 20131115; JP 2015542952 A 20131115; KR 20157016176 A 20131115; US 201314443762 A 20131115